

Product datasheet for RC209935

PXMP2 (NM_018663) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PXMP2 (NM_018663) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: PXMP2
 Synonyms: MPV17L3; PMP22
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC209935 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGGCCGCTCCAGGCTGCGGGCCGAAGCCGGGCTCGGGCGCTGCCGCGGGGGCGCTCGCCC
 AGTACCTGCTCTTCTGCGGCTTACCCGGTGTCAACAAAGCGGCCACCAGTGGCATTTCAGCACT
 TGGAACTTCTGGCCAGATGATTGAGAAGAAGCGGAAAAAGAAAACCTAGAAGTCTGGATGTCGGT
 GGGCTCTGAGATATGCCGTTTACGGTCTTCTTACAGGGCCGCTGAGTCACTTCTTCTACTTCTTCA
 TGGAACATTGGATCCCTCCTGAGGTCCCTTGGCAGGGCTCAGGAGGCTTCTCCTGGACCGCTCGTCTT
 TGCACCGCCTTCTCATGTTGTTCTTCTCATCATGAACTTTCTGGAGGGGAAAGACGCCTCAGCCTTC
 GCCCCAAGATGAGGGGGGCTTCTGGCCGGCGCTGAGGATGAACTGGCGGGTGTGGACGCCACTACAGT
 TCATCAACATCAACTACGTCCTCTGAAGTTCCGGGTGCTCTTCGCCAACCTGGCAGCTCTGTTCTGGTA
 TGCTACCTGGCCTCCTTGGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209935 protein sequence
 Red=Cloning site Green=Tags(s)

MAPAASRLRAEAGLGALPRRALAQYLLFLRLYPVLTKAATSGILSALGNFLAQMIKKRKKENSRLDVG
 GPLRYAVYGFFFTGPLSHFFYFMEHWIPPEVPLAGLRLLLDRLVFAPAFMLFFLIMNFLEGGKASAF
 AAKMRGGFWPALRMNWRVWTPLQFININYVPLKFRVLFANLAALFWYAYLASLGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6366_f12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018663

ORF Size: 585 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_018663.3](#)

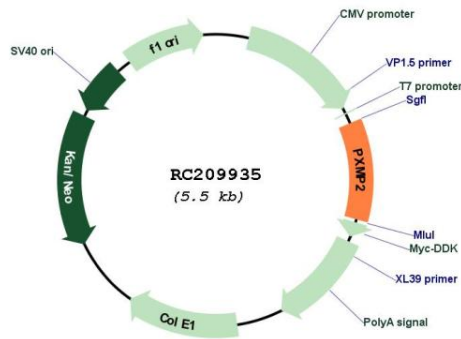
RefSeq Size: 977 bp

RefSeq ORF: 588 bp

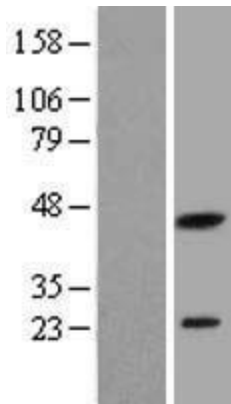
Locus ID: 5827

UniProt ID: [Q9NR77](#)
 Cytogenetics: 12q24.33
 Domains: Mpv17_PMP22
 Protein Families: Transmembrane
 MW: 22.3 kDa
 Gene Summary: Seems to be involved in pore-forming activity and may contribute to the unspecific permeability of the peroxisomal membrane.[UniProtKB/Swiss-Prot Function]

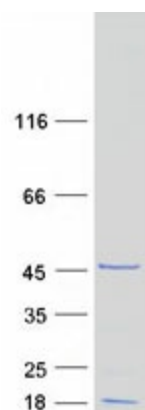
Product images:



Circular map for RC209935



Western blot validation of overexpression lysate (Cat# [LY412969]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209935 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PXMP2 protein (Cat# [TP309935]). The protein was produced from HEK293T cells transfected with PXMP2 cDNA clone (Cat# RC209935) using MegaTran 2.0 (Cat# [TT210002]).